

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A mobile communication system which is comprised of a mobile terminal, a switchboard for controlling the connection of said mobile terminal and a plurality of base stations for relaying a radio signal with said mobile terminal to said switchboard, wherein said switchboard comprising:

average moving speed calculation unit which calculates a moving speed of said mobile terminal from the position information of said mobile terminal which is sent from said mobile terminal; and

A3 incoming call blocking unit which blocks incoming calls to said mobile terminal when the moving speed of said mobile terminal calculated by said moving speed calculation unit exceeds a predetermined threshold,

wherein said mobile terminal sends the position information of said mobile terminal which said mobile terminal has received on the basis of a GPS signal from a global positioning system satellite to said switchboard periodically.

2. (Canceled).

3. (Currently Amended) The mobile communication system as set forth in claim 1, wherein

said mobile terminal includes position information transmission unit which send the position information of said mobile terminal to said switchboard through said base stations periodically, and

said switchboard includes storage unit which stores the present and previous position information sent from said mobile terminal.

4. (Currently Amended) The mobile communication system as set forth in claim 1, wherein

said mobile terminal comprises

position information obtaining unit which obtains position information of said mobile terminal periodically according to a GPS signal from a global positioning system satellite, and

position information transmission unit which sends the position information of said mobile terminal to said switchboard through said base stations periodically,

said switchboard comprises storage unit which stores the present and previous position information sent from said mobile terminal.

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5. (Original) The mobile communication system as set forth in claim 1, wherein

said mobile terminal comprises registration request transmission unit which sends a registration request of the radio zones where said mobile terminal is present now to said switchboard when said mobile terminal is moving among the radio zones of said base stations, and

said mobile terminal sends the position information for a predetermined period when the position registration request is sent by said position registration request transmission unit.

6. (Original) The mobile communication system as set forth in claim 1, wherein

said mobile terminal comprises

position information obtaining unit which obtains position information of said mobile terminal periodically according to a GPS signal from a global positioning system satellite,

position information transmission unit which sends the position information of said mobile terminal to said switchboard through said base stations, and

registration request transmission unit which sends a registration request of the radio zones where said mobile terminal is present now to said switchboard when said mobile terminal moves among the radio zones of said base stations, and

sends the position information for a predetermined period when the registration request is sent by said registration request transmission unit.

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7. (Currently Amended) An incoming call blocking method for a mobile communication system which is comprised of a mobile terminal, a switchboard for controlling the connection of said mobile terminal and a plurality of base stations which relay a radio signal with said mobile terminal to said switchboard, comprising the following steps of:

obtaining position information of said mobile terminal;

calculating a moving speed of said mobile terminal from the ~~determined~~ position information of said mobile terminal; and

blocking incoming calls to said mobile terminal when the calculated moving speed of said mobile terminal exceeds a predetermined threshold,

wherein position information of said mobile terminal is obtained according to a GPS signal from said global positioning system satellite, and

wherein the obtained position information of said mobile terminal is sent to said switchboard periodically.

8. (Canceled).

9. (Original) The incoming call blocking method for a mobile communication system as set forth in claim 7, wherein

said mobile terminal obtains a position of said mobile terminal periodically and sends the obtained position information of said mobile terminal to said switchboard,

said switchboard stores the position information from said mobile terminal, and

a moving speed of said mobile terminal is calculated from the stored position information of said mobile terminal.

10. (Original) The incoming call blocking method for a mobile communication system as set forth in claim 7, wherein

A3 said mobile terminal sends a registration request of the radio zones where said mobile terminal is present now to said base stations when said mobile terminal is moving among the radio zones of said base stations, and

said mobile terminal sends the position information for a predetermined period when said mobile terminal sends the registration request.

11. (Currently Amended) A switchboard of a mobile communication system which is comprised of a mobile terminal, a switchboard for controlling the connection of said mobile terminal and a plurality of base stations for relaying a radio signal with said mobile terminal to said switchboard, comprising:

average moving speed calculation unit which calculates a moving speed of said mobile terminal from position information of said mobile terminal which is sent from said mobile terminal to said switchboard; and

incoming call blocking unit which blocks incoming calls to said mobile terminal when a moving speed of said mobile terminal calculated by said moving speed calculation unit exceeds a predetermined threshold,

wherein said switchboard periodically receives the position information of said mobile terminal obtained according to a GPS signal from the global positioning system satellite and calculates a moving speed of said mobile terminal every time the position information is received.

12. (Canceled).

13. (Currently Amended) The switchboard of a mobile communication system as set forth in claim 11, further comprising
storage unit which stores the present and previous position information sent from said mobile terminal.

A3 14. (Currently Amended) A mobile communication system which is comprised of a mobile terminal, a switchboard for controlling the connection of said mobile terminal and a plurality of base stations for relaying a radio signal with said mobile terminal to said switchboard, wherein said switchboard comprising:

average moving speed calculation means for calculating a moving speed of said mobile terminal from the position information of said mobile terminal which is sent from said mobile terminal; and

incoming call blocking means for blocking incoming calls to said mobile terminal when the moving speed of said mobile terminal calculated by said moving speed calculation means exceeds a predetermined threshold,

wherein said mobile terminal sends the position information of said mobile terminal which said mobile terminal has received on the basis of a GPS signal from a global positioning system satellite to said switchboard periodically.

15. (Canceled).

16. (Currently Amended) The mobile communication system as set forth in claim 14, wherein

said mobile terminal includes position information transmission means for sending the position information of said mobile terminal to said switchboard through said base stations periodically, and

said switchboard includes storage means for storing the present and previous position information sent from said mobile terminal.

17. (Currently Amended) The mobile communication system as set forth in claim 14, wherein

said mobile terminal comprises

position information obtaining means for obtaining position information of said mobile terminal periodically according to a GPS signal from a global positioning system satellite, and

A3 position information transmission means for sending the position information of said mobile terminal to said switchboard through said base stations periodically,

said switchboard comprises storage means for storing the present and previous position information sent from said mobile terminal.

18. (Original) The mobile communication system as set forth in claim 14, wherein

said mobile terminal comprises registration request transmission means for sending a registration request of the radio zones where said mobile terminal is present now to said switchboard when said mobile terminal is moving among the radio zones of said base stations, and

said mobile terminal sends the position information for a predetermined period when the position registration request is sent by said position registration request transmission means.

19. (Original) The mobile communication system as set forth in claim 14, wherein

said mobile terminal comprises

position information obtaining means for obtaining position information of said mobile terminal periodically according to a GPS signal from a global positioning system satellite,

position information transmission means for sending the position information of said mobile terminal to said switchboard through said base stations, and

registration request transmission means for sending a registration request of the radio zones where said mobile terminal is present now to said switchboard when said mobile terminal moves among the radio zones of said base stations, and

sends the position information for a predetermined period when the registration request is sent by said registration request transmission means.

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20. (New) The mobile communication system as set forth in claim 3, wherein said position information transmission unit transmits the position information of said mobile terminal continuously to said switchboard within a time period starting from a first time when the moving speed of said mobile terminal is determined to exceed the predetermined threshold, and ending at a second time when the moving speed of said mobile terminal is determined to not exceed the predetermined threshold and

wherein said position information transmission unit transmits the position information periodically to said switchboard at all other times.

21. (New) The incoming call blocking method as set forth in claim 3, further comprising:

transmitting the position information of said mobile terminal continuously to said switchboard within a time period starting from a first time when the moving speed of said mobile terminal is determined to exceed the predetermined threshold, and ending at a second time when the moving speed of said mobile terminal is determined to not exceed the predetermined threshold,

wherein the position information is transmitted periodically from said mobile terminal to said switchboard at all other times.

22. (New) The switchboard of a mobile communication system as set forth in claim 11, wherein said mobile terminal transmits the position information continuously to said switchboard within a time period starting from a first time when the moving speed of said mobile terminal is determined to exceed the predetermined threshold, and ending at a second time when the moving speed of said mobile terminal is determined to not exceed the predetermined threshold, and

A3 wherein the position information is transmitted periodically from said mobile terminal to said switchboard at all other times.

23. (New) The mobile communication system as set forth in claim 16, wherein said position information transmission means transmits the position information of said mobile terminal continuously to said switchboard within a time period starting from a first time when the moving speed of said mobile terminal is determined to exceed the predetermined threshold, and ending at a second time when the moving speed of said mobile terminal is determined to not exceed the predetermined threshold, and

wherein said position information transmission means transmits the position information periodically to said switchboard at all other times.
